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B.M.S COLLEGE FOR WOMEN, AUTONOMOUS
BENGALURU – 560004
SEMESTER END EXAMINATION – SEPTEMBER-2023

B.Sc.in Botany – 2nd Semester

DIVERSITY OF NON-FLOWERING PLANTS
(NEP Scheme 2021-22 Onwards F+R)

Course Code: BOT2DSC02
Duration: 2 ½ Hours

QP Code: 2018
Max Marks: 60

Instructions: 1. Answer all the sections.
2. Draw diagrams wherever necessary.

SECTION-A

I. Answer any FIVE of the following. Each question carries TWO marks. (5X2=10)

1. Draw a neat labelled diagram of Nostoc.
2. Give any two economic importance of algae as Biofertilizers.
3. Define Circinate vernation.
4. Write any two characters of Pteridophytes.
5. What are dimorphic leaves? Give an example.
6. What is Impression? Give an example.
7. Give any two examples of fossil fuels.

SECTION-B

II. Write short notes on any FOUR of the following. Each question carries FIVE marks. (4X5=20)

8. Globule of Chara.
9. T.S of stem of Selaginella.
10. T.S of Corolloid root of Cycas.
11. Male cone of Pinus.
12. Morphology of Rhynia.
13. Contributions of Prof. Birbal Sahani Institute of Paleosciences.

SECTION-C

III. Answer any THREE of the following. Each question carries TEN marks. (3X10=30)

14. Describe nannadrous type of reproduction in Oedogonium.
15. Explain the Sporophyte of Anthoceros.
16. Describe the Male and Female cone of Gnetum.
17. Explain the morphology & Reproduction in Cycadeoidea.
18. Write short notes on the following
 - a. Female receptacle of *Sargassum*.

b. Sorus of *Pteris*.

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